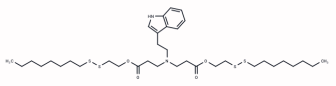
NT1-O12B

Cat. No.: **SN-M-LM093**

Chemical Properties

Product Name	NT1-O12B
Full Name	2-(octyldisulfanyl)ethyl 3-[2-(1H-indol-3-yl)ethyl-[3-[2-(octyldisulfanyl)ethoxy]-3-oxopropyl]amino]propanoate
Cat. No.	SN-M-LM093
CAS No.	2739805-63-9
Molecular Formula	C36H60N2O4S4
Molecular Weight	713.14
Storage	Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Shipping	Shipping with blue ice/Shipping at ambient temperature.
Solubility	DMSO: 200.00 mg/mL (280.45 mM), Sonication is recommended. | 10% DMSO+90% Corn Oil: 5.00 mg/mL (7.01 mM), Sonication is recommended.
Purity	98+%

Structure



Biological Description

NT1-O12B, an endogenous neurotransmitter-derived lipidoid (NT-lipidoid), serves as a highly efficient carrier for enhancing the transportation of various blood-brain barrier (BBB)-impermeable cargos to the brain. Incorporating NT1-O12B into BBB-impermeable lipid nanoparticles (LNPs) enables these LNPs to effectively traverse the BBB. In addition to enabling cargo passage through the BBB, NT-lipidoid formulations facilitate efficient delivery of the cargo into neuronal cells for purposes such as functional gene silencing or gene recombination [1] .

Related Products / Keywords

- NT-1-O12B
- NT1O12B
- NT1 O12B

This product is a research reagent and must not be used for clinical validation or human therapeutic use.